CRYPTOLOGIC TECHNICIAN (NETWORKS) (CTN) TABLE OF CONTENTS

CRYPTOLOGIC TECHNICIAN (NETWORKS) (CTN) TABLE OF CONTENTS (cont'd)

NAVY ENLISTED OCCUPATIONAL STANDARDS

FOR

CRYPTOLOGIC TECHNICIAN (NETWORKS) (CTN)

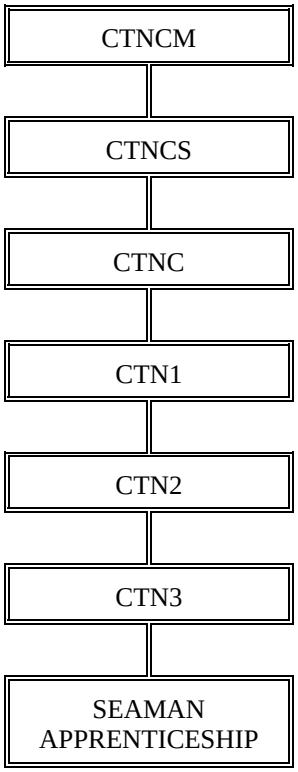
SCOPE OF RATING

Cryptologic Technicians (Networks) (CTN) monitor, identify, collect and analyze information; provide data for digital network products; and conduct computer network operations worldwide to support Navy and Department of Defense national and theater level missions. Duties include, but are not limited to, network target development; Indications and Warning (I&W); Attack Sensing and Warning (AS&W); network, software and forensic analysis; and Computer Network Defense (CND) operations.

These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 20.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

SPECIAL REQUIREMENTS

Normal hearing required. Former members of the Peace Corps are not eligible.

CITIZENSHIP/SECURITY REQUIREMENTS

Must be a U.S. citizen and eligible for access to special intelligence information.

PERFORMANCE TESTS

None.

SAFETY

The observance of proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Global Network Operations Technician 003006

Job Family	NOC	Short Title (30 Characters)	Short Title (10 Characters)
Computer and Mathematical	1500-1071.01	GLOBAL NETWORK OPS TECHNICIAN	GNT OP TEC

Pay Plan	Career Field	Proficiency Level	Other Relationships and Rules:
Enlisted	CTN	A	Not applicable, based upon the NEC assigned to the job (if any).

Job Description

Global Network Operations Technicians monitor, collect, and report information and conduct actions in direct support of computer network operations worldwide in support of Navy, National Security Agency, and Department of Defense national and theater level missions. Duties include network target development, Indications and Warning (I&W), Attack Sensing and Warning (AS&W), software analysis, Defensive Information Operations (DIO), and blue and red team functions.

DoD Relationship		O*NET Relationship	
Title and Group:	*Code and Area:*	*Title and SOC Code:*	*Name and Family Code:*
Analysis	123200	Computer Security Specialists	Computer and Mathematical
123	12	15-1071.01	15

ALL SOURCE RESEARCHING

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Coordinate creation of initial database searches (database queries)		
			Coordination	*Information Ordering*
			Management of Personnel Resources	*Inductive Reasoning*
E4	CORE	Gather target information		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E4	CORE	Perform data mining		
			Complex Problem Solving	*Inductive Reasoning*
			Critical Thinking	*Information Ordering*

COLLECTION PROCESSES

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify CTN mission systems		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify global collection processes		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Service Cryptologic Element (SCE) functions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

COMMUNICATIONS PROTOCOLS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify Institute of Electrical and Electronic Engineers (IEEE) wired networking protocols		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Institute of Electrical and Electronic Engineers (IEEE) wireless networking protocols		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify routing protocols		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

COMPUTER ARCHITECTURE

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify Automated Information System (AIS) component functions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Input/Output (I/O) device functions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

COMPUTER NETWORK DEFENSE (CND) ANALYSIS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify hacker tactics, techniques, and procedures using forensic techniques		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

FILE SYSTEM INTERNALS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify common file structures		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify disk partitions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file permissions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system formats		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system hierarchies		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system implementations		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system management		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify master boot records		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

NETWORK ANALYSIS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify malicious activities in global network traffic		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Perform network traffic analyses		
			Critical Thinking	*Information Ordering*
			Operations Analysis	*Inductive Reasoning*
E4	CORE	Perform session recoveries from Internet Protocol (IP) data streams		
			Complex Problem Solving	*Information Ordering*
			Operations Analysis	*Inductive Reasoning*

NETWORK SECURITY

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Develop global Intrusion Detection Systems (IDS) signatures		
			Programming	*Information Ordering*
			Systems Evaluation	*Inductive Reasoning*
E4	CORE	Identify Access Control Lists (ACL)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify encryption standards		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify network security architecture components		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Virtual Private Networks (VPN)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

OPERATING SYSTEM (OS) FUNDAMENTALS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Analyze Computer Processing Unit (CPU) performance		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Analyze disk management		
			Critical Thinking	*Information Ordering*
			Systems Analysis	*Inductive Reasoning*
E4	CORE	Analyze kernel functions		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Analyze kernel space memories		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Analyze memory allocations		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Analyze Operating System (OS) hardware interactions		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Analyze thread management		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Determine Operating System (OS) implementations		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E4	CORE	Identify common system services		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Operating System (OS) characteristics		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Map process life cycles		
			Critical Thinking	*Inductive Reasoning*
			Programming	*Information Ordering*

PRODUCT DEVELOPMENT

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Provide inputs for Signal Intelligence (SIGINT) reports		
			Reading Comprehension	*Information Ordering*
			Writing	*Written Expression*

PROGRAMMING

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Interpret basic level source code		
			Complex Problem Solving	*Information Ordering*
			Programming	*Inductive Reasoning*
E4	CORE	Program basic-level compiled language		
			Critical Thinking	*Information Ordering*
			Programming	*Inductive Reasoning*
E4	CORE	Script basic-level interpreted language		
			Critical Thinking	*Information Ordering*
			Programming	*Originality*

SENSITIVE COMPARTMENTED INFORMATION (SCI) PROTECTION

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Control access to restricted areas		
			Monitoring	*Inductive Reasoning*
			Persuasion	*Information Ordering*
E4	CORE	Destroy classified materials		
			Reading Comprehension	*Inductive Reasoning*
			Time Management	*Information Ordering*
E4	CORE	Document receipt of classified materials		
			Management of Material Resources	*Information Ordering*
			Writing	*Written Expression*
E4	CORE	Implement Emergency Action Plan (EAP)		
			Operation and Control	*Inductive Reasoning*
			Persuasion	*Information Ordering*
E4	CORE	Implement physical security measures		
			Operation and Control	*Inductive Reasoning*
			Persuasion	*Information Ordering*
E4	CORE	Inventory classified materials		
			Reading Comprehension	*Inductive Reasoning*
			Writing	*Information Ordering*
E4	CORE	Issue classified materials		
			Management of Material Resources	*Oral Comprehension*
			Quality Control Analysis	*Information Ordering*
E4	CORE	Maintain custody of classified materials		
			Management of Material Resources	*Written Comprehension*
			Quality Control Analysis	*Information Ordering*
E4	CORE	Maintain Sensitive Compartmented Information Facilities (SCIF) access control		
			Operation Monitoring	*Deductive Reasoning*
			Quality Control Analysis	*Information Ordering*
E4	CORE	Safeguard classified materials		
			Judgment and Decision Making	*Information Ordering*
			Quality Control Analysis	*Written Comprehension*
E4	CORE	Store classified materials		
			Judgment and Decision Making	*Information Ordering*
			Management of Material Resources	*Written Comprehension*

E4	CORE	Update classified materials		
			Judgment and Decision Making	*Information Ordering*
			Management of Material Resources	*Written Comprehension*

SERVICE PROTOCOLS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Identify application layer protocols (layer 7)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify data link layer protocols (layer 2)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify network layer protocols (layer 3)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify presentation layer protocols (layer 6)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify session layer protocols (layer 5)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify transport layer protocols (layer 4)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

TARGET DEVELOPMENT

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Analyze metadata		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Create dictionary terms		
			Critical Thinking	*Inductive Reasoning*
			Judgment and Decision Making	*Information Ordering*
E4	CORE	Develop target templates		
			Critical Thinking	*Inductive Reasoning*
			Reading Comprehension	*Information Ordering*
E4	CORE	Identify composition of remote target networks		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Reconstruct target networks		
			Complex Problem Solving	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*

TRANSFER CONTROL PROTOCOL/INTERNET PROTOCOL (TCP/IP) FUNDAMENTALS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Analyze packet headers		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Describe addressing schemes		
			Complex Problem Solving	*Information Ordering*
			Mathematics	*Inductive Reasoning*

VULNERABILITY ANALYSIS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Perform vulnerability assessments on target networks		
			Critical Thinking	*Information Ordering*
			Systems Evaluation	*Inductive Reasoning*

Job Title **Job Code**

Global Network Operations Manager 003303

Job Family	NOC	Short Title (30 Characters)	Short Title (10 Characters)
Computer and Mathematical	1500-1071.00	GLOBAL NETWORK OPS MANAGER	GNT OP MAN

Pay Plan	Career Field	Proficiency Level	Other Relationships and Rules:
Enlisted	CTN	J	Not applicable, based upon the NEC assigned to the job (if any).

Job Description

Global Network Operations Managers provide first-level management of the monitoring, collection, and reporting of information and the conduct actions in direct support of computer network operations worldwide in support of Navy, National Security Agency, and Department of Defense national and theater level missions. Duties include network target development, software analysis and development, access/attack operations, Indications and Warning (I&W), Attack Sensing and Warning (AS&W), Defensive Information Operations (DIO), and blue and red team functions.

DoD Relationship		O*NET Relationship	
Title and Group:	*Code and Area:*	*Title and SOC Code:*	*Name and Family Code:*
Analysis	123200	Network and Computer Systems Administrators	Computer and Mathematical
123	12	15-1071.00	15

ALL SOURCE RESEARCHING

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Perform data mining		
			Complex Problem Solving	*Inductive Reasoning*
			Critical Thinking	*Information Ordering*

COLLECTION PROCESSES

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify CTN mission systems		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Service Cryptologic Element (SCE) functions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

COMMUNICATIONS PROTOCOLS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify Institute of Electrical and Electronics Engineers (IEEE) wired networking protocols		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Institute of Electrical and Electronics Engineers (IEEE) wireless networking protocols		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify routing protocols		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

COMPUTER ARCHITECTURE

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify Automated Information System (AIS) component functions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

COMPUTER NETWORK DEFENSE (CND) ANALYSIS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E5	CORE	Analyze global threat activities from data collected during network intrusions		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze incidents for intelligence value		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze obfuscated source codes		
			Programming	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Assess Computer Network Defense (CND) postures for customers		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E5	CORE	Develop passive countermeasures for Computer Network Operations (CNO) threats		
			Operation Monitoring	*Information Ordering*
			Operations Analysis	*Inductive Reasoning*
E4	CORE	Identify hacker tactics, techniques, and procedures using forensic techniques		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Perform penetration testing against remote systems		
			Complex Problem Solving	*Information Ordering*
			Operations Analysis	*Inductive Reasoning*
E5	CORE	Validate network intrusion incidents		
			Complex Problem Solving	*Information Ordering*
			Quality Control Analysis	*Inductive Reasoning*

COMPUTER NETWORK OPERATIONS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E5	CORE	Access remote systems		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze remote system environments		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze remote targets for software pre-positioning		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E6	CORE	Assess technical impact of tools and techniques on a specific target		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E6	CORE	Disrupt remote network infrastructures		
			Critical Thinking	*Information Ordering*
			Systems Analysis	*Inductive Reasoning*

FILE SYSTEM INTERNALS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify common file structures		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify disk partitions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

E4	CORE	Identify file permissions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system formats		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system hierarchies		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system implementations		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system management		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify master boot records		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

FORENSIC ANALYSIS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E5	CORE	Analyze file system timelines		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze hacker tactics, techniques, and procedures using forensic techniques		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E6	CORE	Analyze network vulnerabilities		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze un-obfuscated source codes in interpreted languages		
			Programming	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Create system images		
			Operation and Control	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E5	CORE	Identify active connections		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Identify hidden connections		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Identify hidden processes		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Perform binary analyses		
			Mathematics	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Perform forensic file system analyses		
			Complex Problem Solving	*Information Ordering*
			Systems Analysis	*Inductive Reasoning*

INFORMATION OPERATIONS (IO) PLANNING

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E7	CORE	Assess strategic impacts of tools and techniques on specific targets		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E6	CORE	Coordinate Computer Network Operations (CNO) with Information Operations (IO) partners		
			Coordination	*Information Ordering*
			Management of Personnel Resources	*Inductive Reasoning*
E7	CORE	Coordinate deployments to support Computer Network Operations (CNO) operations and exercises		
			Coordination	*Information Ordering*
			Management of Personnel Resources	*Inductive Reasoning*
E7	CORE	Develop Computer Network Operation (CNO) portions of Information Operations (IO) campaign plans		
			Management of Material Resources	*Information Ordering*
			Management of Personnel Resources	*Inductive Reasoning*
E6	CORE	Develop mission procedures		
			Complex Problem Solving	*Information Ordering*
			Critical Thinking	*Inductive Reasoning*
E6	CORE	Draft scenarios to support current real world threat information		
			Complex Problem Solving	*Information Ordering*
			Writing	*Inductive Reasoning*
E7	CORE	Draft schedule of events for operations		
			Time Management	*Information Ordering*
			Writing	*Written Expression*
E7	CORE	Identify Rules Of Engagement (ROE) for Information Operations (IO) planning		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

MISSION COORDINATION

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E5	CORE	Coordinate collections of potential threats posed by target networks		
			Coordination	*Information Ordering*
			Management of Personnel Resources	*Inductive Reasoning*
E6	CORE	Deconflict legal processes		
			Complex Problem Solving	*Information Ordering*
			Coordination	*Inductive Reasoning*
E5	CORE	Deconflict network operations		
			Coordination	*Inductive Reasoning*
			Critical Thinking	*Information Ordering*

NETWORK ANALYSIS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E5	CORE	Analyze malicious activities in global network traffic		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze network activities for traffic characteristics		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Identify malicious activities in global network traffic		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

NETWORK SECURITY

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E5	CORE	Analyze Access Control Lists (ACL)		
			Complex Problem Solving	*Mathematical Reasoning*
			Systems Analysis	*Inductive Reasoning*
E5	CORE	Analyze device logs		
			Critical Thinking	*Information Ordering*
			Systems Analysis	*Inductive Reasoning*
E4	CORE	Identify encryption standards		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Identify Institute of Electrical and Electronics Engineers (IEEE) security standards		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify network security architecture components		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Virtual Private Networks (VPN)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Maintain global network Intrusion Detection Systems (IDS) signatures		
			Management of Material Resources	*Inductive Reasoning*
			Quality Control Analysis	*Information Ordering*

OPERATING SYSTEM (OS) FUNDAMENTALS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Determine Operating System (OS) implementations		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E4	CORE	Identify common system services		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Operating System (OS) characteristics		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Map process life cycles		
			Critical Thinking	*Inductive Reasoning*
			Programming	*Information Ordering*

PRODUCT DEVELOPMENT

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Provide inputs for Signal Intelligence (SIGINT) reports		
			Reading Comprehension	*Information Ordering*
			Writing	*Written Expression*
E6	CORE	Validate Computer Network Operations (CNO) analysis products		
			Critical Thinking	*Information Ordering*
			Quality Control Analysis	*Inductive Reasoning*

PROGRAMMING

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E6	CORE	Develop Computer Network Operations (CNO) tools		
			Programming	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*

E5	CORE	Evaluate Computer Network Operations (CNO) software tools		
			Operations Analysis	*Information Ordering*
			Systems Evaluation	*Inductive Reasoning*
E5	CORE	Interpret assembly code		
			Complex Problem Solving	*Information Ordering*
			Programming	*Inductive Reasoning*
E4	CORE	Interpret basic level source code		
			Complex Problem Solving	*Information Ordering*
			Programming	*Inductive Reasoning*
E5	CORE	Interpret intermediate level source code		
			Complex Problem Solving	*Information Ordering*
			Programming	*Inductive Reasoning*
E5	CORE	Maintain Computer Network Operations (CNO) tools		
			Management of Material Resources	*Inductive Reasoning*
			Quality Control Analysis	*Information Ordering*
E4	CORE	Program basic level compiled language		
			Critical Thinking	*Information Ordering*
			Programming	*Inductive Reasoning*
E5	CORE	Program intermediate level compiled language		
			Critical Thinking	*Information Ordering*
			Programming	*Inductive Reasoning*
E4	CORE	Script basic level interpreted language		
			Critical Thinking	*Information Ordering*
			Programming	*Originality*
E5	CORE	Script intermediate level interpreted language		
			Critical Thinking	*Information Ordering*
			Programming	*Originality*

SENSITIVE COMPARTMENTED INFORMATION (SCI) PROTECTION

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Control access to restricted areas		
			Monitoring	*Inductive Reasoning*
			Persuasion	*Information Ordering*
E4	CORE	Destroy classified materials		
			Reading Comprehension	*Inductive Reasoning*
			Time Management	*Information Ordering*
E4	CORE	Document receipt of classified materials		
			Management of Material Resources	*Information Ordering*
			Writing	*Written Expression*
E4	CORE	Implement Emergency Action Plan (EAP)		
			Operation and Control	*Inductive Reasoning*
			Persuasion	*Information Ordering*
E4	CORE	Implement physical security measures		
			Operation and Control	*Inductive Reasoning*
			Persuasion	*Information Ordering*
E4	CORE	Maintain custody of classified materials		
			Management of Material Resources	*Written Comprehension*
			Quality Control Analysis	*Information Ordering*
E4	CORE	Maintain Sensitive Compartmented Information Facilities (SCIF) access control		
			Operation Monitoring	*Deductive Reasoning*
			Quality Control Analysis	*Information Ordering*
E4	CORE	Safeguard classified materials		
			Judgment and Decision Making	*Information Ordering*
			Quality Control Analysis	*Written Comprehension*

E4	CORE	Store classified materials		
			Judgment and Decision Making	*Information Ordering*
			Management of Material Resources	*Written Comprehension*
E4	CORE	Update classified materials		
			Judgment and Decision Making	*Information Ordering*
			Management of Material Resources	*Written Comprehension*

SERVICE PROTOCOLS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Identify data link layer protocols (layer 2)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify network layer protocols (layer 3)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify presentation layer protocols (layer 6)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify session layer protocols (layer 5)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify transport layer protocols (layer 4)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

TARGET DEVELOPMENT

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E5	CORE	Analyze composition of remote target network		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze events for intelligence value		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze target network vulnerabilities		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Develop target templates		
			Critical Thinking	*Inductive Reasoning*
			Reading Comprehension	*Information Ordering*
E4	CORE	Identify composition of remote target networks		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Identify function of remote target networks		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Reconstruct target networks		
			Complex Problem Solving	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*

TRANSFER CONTROL PROTOCOL/INTERNET PROTOCOL (TCP/IP) FUNDAMENTALS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Describe addressing schemes		
			Complex Problem Solving	*Information Ordering*
			Mathematics	*Inductive Reasoning*

VULNERABILITY ANALYSIS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E5	CORE	Analyze network patterns for Indications and Warnings (I&W)		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E6	CORE	Coordinate target networks vulnerability scanning		
			Coordination	*Information Ordering*
			Management of Personnel Resources	*Inductive Reasoning*

Job Title **Job Code**

Global Network Operations Director 003103

Job Family	NOC	Short Title (30 Characters)	Short Title (10 Characters)
Computer and Mathematical	1500-1081.00	GLOBAL NETWORK OPS DIRECTOR	GNT OP DIR

Pay Plan	Career Field	Proficiency Level	Other Relationships and Rules:
Enlisted	CTN	M	Not applicable, based upon the NEC assigned to the job (if any).

Job Description

Global Network Operations Director s provide senior-level management of the monitoring, collection, and reporting of information and the conduct of actions in direct support of computer network operations worldwide in support of Navy, National Security Agency, and Department of Defense national and theater level missions. Duties include Information Operations (IO) cell defensive planning, network target development, software analysis and development, access/attack operations, Indications and Warning (I&W), Attack Sensing and Warning (AS&W), Defensive Information Operations (DIO), and blue and red team functions.

DoD Relationship		O*NET Relationship	
Title and Group:	*Code and Area:*	*Title and SOC Code:*	*Name and Family Code:*
Analysis	123200	Network Systems and Data Communications Analysts	Computer and Mathematical
123	12	15-1081.00	15

ALL SOURCE RESEARCHING

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E5	CORE	Compile data obtained from multiple sources		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E4	CORE	Coordinate creation of initial database searches (database queries)		
			Coordination	*Information Ordering*
			Management of Personnel Resources	*Inductive Reasoning*
E4	CORE	Gather target information		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E4	CORE	Perform data mining		
			Complex Problem Solving	*Inductive Reasoning*
			Critical Thinking	*Information Ordering*

COLLECTION PROCESSES

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify CTN mission systems		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify global collection processes		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Service Cryptologic Element (SCE) functions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

COMMUNICATIONS PROTOCOLS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify Institute of Electrical and Electronics Engineers (IEEE) wired networking protocols		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Institute of Electrical and Electronics Engineers (IEEE) wireless networking protocols		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

E4	CORE	Identify routing protocols		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

COMPUTER ARCHITECTURE

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Identify Automated Information System (AIS) component functions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Input/Output (I/O) device functions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

COMPUTER NETWORK DEFENSE (CND) ANALYSIS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E5	CORE	Analyze global threat activities from data collected during network intrusions		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze incidents for intelligence value		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze obfuscated source code		
			Programming	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Assess Computer Network Defense (CND) postures for customers		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E5	CORE	Develop passive countermeasures for Computer Network Operations (CNO) threats		
			Operation Monitoring	*Information Ordering*
			Operations Analysis	*Inductive Reasoning*
E4	CORE	Identify hacker tactics, techniques and procedures using forensic techniques		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Perform penetration testing against remote systems		
			Complex Problem Solving	*Information Ordering*
			Operations Analysis	*Inductive Reasoning*
E5	CORE	Validate network intrusion incidents		
			Complex Problem Solving	*Information Ordering*
			Quality Control Analysis	*Inductive Reasoning*

COMPUTER NETWORK OPERATIONS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E5	CORE	Access remote systems		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze remote system environments		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze remote targets for software pre-positioning		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E6	CORE	Assess technical impacts of tools and techniques on specific targets		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*

E6	CORE	Collect global threat indications posed by remote networks		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E5	CORE	Collect target information		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E6	CORE	Disrupt remote network infrastructures		
			Critical Thinking	*Information Ordering*
			Systems Analysis	*Inductive Reasoning*

FILE SYSTEM INTERNALS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Identify common file structures		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify disk partitions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file permissions		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system formats		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system hierarchies		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system implementations		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify file system management		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify master boot records		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

FORENSIC ANALYSIS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E5	CORE	Analyze file system timelines		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze hacker tactics, techniques, and procedures using forensic techniques		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E6	CORE	Analyze network vulnerabilities		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze un-obfuscated source code in an interpreted language		
			Programming	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Collect volatile memory		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*

E5	CORE	Create hash filters		
			Judgment and Decision Making	*Information Ordering*
			Systems Evaluation	*Inductive Reasoning*
E5	CORE	Create system images		
			Operation and Control	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E5	CORE	Identify active connections		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Identify hidden connections		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Identify hidden processes		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Perform binary analyses		
			Mathematics	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Perform forensic file system analyses		
			Complex Problem Solving	*Information Ordering*
			Systems Analysis	*Inductive Reasoning*

INFORMATION OPERATIONS (IO) PLANNING

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E6	CORE	Coordinate Computer Network Operations (CNO) with Information Operations (IO) partners		
			Coordination	*Information Ordering*
			Management of Personnel Resources	*Inductive Reasoning*
E6	CORE	Develop mission procedures		
			Complex Problem Solving	*Information Ordering*
			Critical Thinking	*Inductive Reasoning*
E6	CORE	Draft scenarios to support current real world threat information		
			Complex Problem Solving	*Information Ordering*
			Writing	*Inductive Reasoning*

MISSION COORDINATION

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E5	CORE	Coordinate collections of potential threats posed by target networks		
			Coordination	*Information Ordering*
			Management of Personnel Resources	*Inductive Reasoning*
E6	CORE	Deconflict legal processes		
			Complex Problem Solving	*Information Ordering*
			Coordination	*Inductive Reasoning*
E5	CORE	Deconflict network operations		
			Coordination	*Inductive Reasoning*
			Critical Thinking	*Information Ordering*

NETWORK ANALYSIS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E5	CORE	Analyze malicious activities in global network traffic		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze network activities for traffic characteristics		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*

E4	CORE	Identify malicious activities in global network traffic		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Perform network traffic analyses		
			Critical Thinking	*Information Ordering*
			Operations Analysis	*Inductive Reasoning*
E4	CORE	Perform session recoveries from Internet Protocol (IP) data streams		
			Complex Problem Solving	*Information Ordering*
			Operations Analysis	*Inductive Reasoning*

NETWORK SECURITY

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E5	CORE	Analyze Access Control Lists (ACL)		
			Complex Problem Solving	*Mathematical Reasoning*
			Systems Analysis	*Inductive Reasoning*
E5	CORE	Analyze device logs		
			Critical Thinking	*Information Ordering*
			Systems Analysis	*Inductive Reasoning*
E5	CORE	Harden network devices		
			Systems Analysis	*Information Ordering*
			Systems Evaluation	*Inductive Reasoning*
E4	CORE	Identify Access Control Lists (ACL)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Identify Authentication Authorization Accounting (AAA) security implementations		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify encryption standards		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Identify Institute of Electrical and Electronics Engineers (IEEE) security standards		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify network security architecture components		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Virtual Private Networks (VPN)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Maintain global network Intrusion Detection Systems (IDS) signatures		
			Management of Material Resources	*Inductive Reasoning*
			Quality Control Analysis	*Information Ordering*

OPERATING SYSTEM (OS) FUNDAMENTALS

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Analyze Computer Processing Unit (CPU) performance		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Analyze disk management		
			Critical Thinking	*Information Ordering*
			Systems Analysis	*Inductive Reasoning*
E4	CORE	Analyze kernel functions		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*

E4	CORE	Analyze kernel space memories		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Analyze memory allocations		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Analyze Operating System (OS) hardware interactions		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Analyze thread management		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Determine Operating System (OS) implementations		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E4	CORE	Identify common system services		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify Operating System (OS) characteristics		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Map process life cycles		
			Critical Thinking	*Inductive Reasoning*
			Programming	*Information Ordering*

PRODUCT DEVELOPMENT

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Provide inputs for Signal Intelligence (SIGINT) reports		
			Reading Comprehension	*Information Ordering*
			Writing	*Written Expression*
E6	CORE	Validate Computer Network Operations (CNO) analysis products		
			Critical Thinking	*Information Ordering*
			Quality Control Analysis	*Inductive Reasoning*

PROGRAMMING

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E6	CORE	Develop Computer Network Operations (CNO) tools		
			Programming	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Evaluate software tools for Computer Network Operations (CNO)		
			Operations Analysis	*Information Ordering*
			Systems Evaluation	*Inductive Reasoning*
E5	CORE	Interpret assembly code		
			Complex Problem Solving	*Information Ordering*
			Programming	*Inductive Reasoning*
E4	CORE	Interpret basic-level source code		
			Complex Problem Solving	*Information Ordering*
			Programming	*Inductive Reasoning*
E5	CORE	Interpret intermediate-level source code		
			Complex Problem Solving	*Information Ordering*
			Programming	*Inductive Reasoning*
E5	CORE	Maintain Computer Network Operations (CNO) tools		
			Management of Material Resources	*Inductive Reasoning*
			Quality Control Analysis	*Information Ordering*

E4	CORE	Program basic level compiled language		
			Critical Thinking	*Information Ordering*
			Programming	*Inductive Reasoning*
E5	CORE	Program intermediate level compiled language		
			Critical Thinking	*Information Ordering*
			Programming	*Inductive Reasoning*
E4	CORE	Script basic level interpreted language		
			Critical Thinking	*Information Ordering*
			Programming	*Originality*
E5	CORE	Script intermediate level interpreted language		
			Critical Thinking	*Information Ordering*
			Programming	*Originality*

SENSITIVE COMPARTMENTED INFORMATION (SCI) PROTECTION

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Control access to restricted areas		
			Monitoring	*Inductive Reasoning*
			Persuasion	*Information Ordering*
E4	CORE	Destroy classified materials		
			Reading Comprehension	*Inductive Reasoning*
			Time Management	*Information Ordering*
E4	CORE	Document receipt of classified materials		
			Management of Material Resources	*Information Ordering*
			Writing	*Written Expression*
E4	CORE	Implement Emergency Action Plan (EAP)		
			Operation and Control	*Inductive Reasoning*
			Persuasion	*Information Ordering*
E4	CORE	Implement physical security measures		
			Operation and Control	*Inductive Reasoning*
			Persuasion	*Information Ordering*
E4	CORE	Inventory classified materials		
			Reading Comprehension	*Inductive Reasoning*
			Writing	*Information Ordering*
E4	CORE	Issue classified materials		
			Management of Material Resources	*Oral Comprehension*
			Quality Control Analysis	*Information Ordering*
E4	CORE	Maintain custody of classified materials		
			Management of Material Resources	*Written Comprehension*
			Quality Control Analysis	*Information Ordering*
E4	CORE	Maintain Sensitive Compartmented Information Facilities (SCIF) access control		
			Operation Monitoring	*Deductive Reasoning*
			Quality Control Analysis	*Information Ordering*
E4	CORE	Safeguard classified materials		
			Judgment and Decision Making	*Information Ordering*
			Quality Control Analysis	*Written Comprehension*
E4	CORE	Store classified materials		
			Judgment and Decision Making	*Information Ordering*
			Management of Material Resources	*Written Comprehension*
E4	CORE	Update classified materials		
			Judgment and Decision Making	*Information Ordering*
			Management of Material Resources	*Written Comprehension*

SERVICE PROTOCOLS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Identify application layer protocols (layer 7)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify data link layer protocols (layer 2)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify network layer protocols (layer 3)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify presentation layer protocols (layer 6)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify session layer protocols (layer 5)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Identify transport layer protocols (layer 4)		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*

TARGET DEVELOPMENT

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E5	CORE	Analyze composition of remote target networks		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze events for intelligence value		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Analyze metadata		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Analyze target network vulnerabilities		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E5	CORE	Assess target information systems security postures for potential vulnerabilities		
			Critical Thinking	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*
E4	CORE	Create dictionary terms		
			Critical Thinking	*Inductive Reasoning*
			Judgment and Decision Making	*Information Ordering*
E4	CORE	Develop target templates		
			Critical Thinking	*Inductive Reasoning*
			Reading Comprehension	*Information Ordering*
E4	CORE	Identify composition of remote target networks		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E5	CORE	Identify functions of remote target networks		
			Critical Thinking	*Inductive Reasoning*
			Operations Analysis	*Information Ordering*
E4	CORE	Reconstruct target networks		
			Complex Problem Solving	*Inductive Reasoning*
			Systems Evaluation	*Information Ordering*

TRANSFER CONTROL PROTOCOL/INTERNET PROTOCOL (TCP/IP) FUNDAMENTALS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Analyze packet headers		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E4	CORE	Describe addressing schemes		
			Complex Problem Solving	*Information Ordering*
			Mathematics	*Inductive Reasoning*

VULNERABILITY ANALYSIS

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E5	CORE	Analyze network patterns for Indications and Warnings (I&W)		
			Critical Thinking	*Inductive Reasoning*
			Systems Analysis	*Information Ordering*
E6	CORE	Coordinate vulnerability scanning of target networks		
			Coordination	*Information Ordering*
			Management of Personnel Resources	*Inductive Reasoning*
E4	CORE	Perform vulnerability assessments on target networks		
			Critical Thinking	*Information Ordering*
			Systems Evaluation	*Inductive Reasoning*